

FAB Dept.  
cc. Russ  
SILVERMAN

MATERIAL SAFETY DATA SHEET  
PRETREATMENT AND SPECIALTY PRODUCTS  
PPG Industries, Inc.

12/17/02 Sed  
RECEIVED  
DEC 16 2002  
PO 94563  
NELSON NAMEPLATE  
Teeling

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT IDENTIFIY: P782358-20  
PRODUCT TRADE NAME: MAGNADRAW VANISHING OIL  
REVISION DATE: 07/15/02 0001 0020  
CUSTOMER PART # NAME:  
CHEMICAL FAMILY: SOLVENT  
EMERGENCY MEDICAL/SPILL INFO: CHEMTREC 800 424-9300  
TECHNICAL INFORMATION: 1600 827-8075  
PRODUCT SAFETY/MSDS INFORMATION: 4325 INDIANNA DRVE, P.O. BOX 8  
DATE OF MSDS PREPARATION: 12-11-02

PRIMARY HAZARD WARNING

Combustible. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. May be harmful if inhaled. May cause slight skin irritation. Causes eye irritation. Vapor and/or spray mist may be harmful if inhaled.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARDS (29 CFR 1910.1200, THE SUPPLEMENTARY REQUIREMENTS OF SAHA TITLE II, SECTION 312, AND OTHER APPLICABLE FEDERAL AND/OR REGULATIONS.

SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

REF	HAZARDOUS INGREDIENTS	WGT% (BY WEIGHT)	OS	NUMBER	DATE/REV
01	FLUORENE (91114) (1415)	90-100	6	0420	02-7

\* Carcinogens: O = OSHA; A = ACRS; N = NTP; I = IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

OSHA HAZARDOUS SUBSTANCE (HLS)	SARA 302 (HLS)	SARA 303 (HLS)	AC	OR	PL	PR	RE
01	NOT ESTAB	NOT ESTAB					
02	NOT ESTAB	NOT ESTAB					

01 01 0148 01 0148 1 F T N R  
02 01 0148 01 0148 1 (OSHA)

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE = Y, CHRONIC = N, FLAMMABILITY = Y, PERSISTENCE = N, REACTIVITY = N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	TLV-TWA	TLV-STEL	REL-TWA	REL-STEL
01	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB
02	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB

(C = Ceiling Limit; S = Potential Skin Absorption; R = Respirable Dust)

REF ACNH TLV - RABS - CRITICAL EFFECTS

01 01 0148  
02 01 0148 ... NOT ESTAB

(ACNH) TLV BASIS - CRITICAL EFFECTS: CNS-CENTRAL NERVOUS SYSTEM;  
CVS-CARDIOVASCULAR SYSTEM; CWI-COAL WORKER'S PNEUMOCOCONIOSIS;  
(G-GASTROINTESTINAL) (NOT ESTAB - NOT ESTABLISHED - NOT APPLICABLE) (NOT ESTAB - NOT ESTABLISHED - NOT APPLICABLE)

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES

CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA Inventory reporting requirements.

SECTION 3 - HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

- INGESTION: May be harmful if swallowed.  
- EYE CONTACT: Causes eye irritation.  
- SKIN CONTACT: May cause slight skin irritation.

- IRRITATION: Vapor and/or spray mist may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage.

- CHRONIC OVEREXPOSURE: Avoid long term and repeated contact.

- SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, dizziness, and loss of concentration are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or toxic. Redness, itching, burning, irritation and visual disturbances may indicate excessive eye contact. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

- MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not available.

SECTION 4 - FIRST AID MEASURES

- IMPORTANT FIRST AID INFORMATION: If ingestion, inhalation, any type of overexposure or symptoms of overexposure occur during or shortly after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available.

- INGESTION: Gently wipe or rinse the inside of the mouth with water. Sip of water may be given. Never give anything by mouth to an unconscious person. Contact a poison control center, emergency room or physician right away as further treatment may be necessary.

- EYE CONTACT: Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes. If irritation persists, contact a poison control center, emergency room, or physician as further treatment may be necessary.

- SKIN CONTACT: Rinse a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. If any symptoms persist, contact a poison control center, emergency room, or physician as further treatment may be necessary.

- INHALATION: Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.

SECTION 5 - FIRE FIGHTING MEASURES

- FLASHPOINT: 120 Degrees F / 48 Degrees C (FENKING-MARTINS CLOSED CUP)

- FLAMMABLE LIQUIDS: Lower explosion limit (LEL): 1.0

- Upper explosion limit (UEL): Not available

- EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class B combustible liquid fires.

- UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, sparks, flame, and other sources of ignition (e.g., pilot lights, electric means, static electricity). Involving vapors can travel to a source of ignition and flash back. Do not smoke while using the product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.

- SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible rupture or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty container for disposal. Only the spilled material and the absorbent should be placed in this container.

- WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 7 - HANDLING AND STORAGE

- HANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees F (48 degrees C). Store large quantities in buildings designed and protected for storage of NFPA Class B combustible liquids.

- OTHER PRECAUTIONS: Vapors may collect in low areas. If this material is part of a multiple component system, read the Material Safety Data Sheet for the other components or components before blending as the resulting mixture may have the hazards of all of its parts. Containers should be grounded when pouring. Avoid free fall of liquids in excess of a few inches.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT FOR:

- EYE PROTECTION: Wear safety glasses.

Reference to #180-001



Manufactured and Supplied by:  
PPG Pretreatment & Specialty Products  
20000 St. Clair Avenue EUCLID, OHIO 44117

**SKIN PROTECTION:** Wear protective clothing. Gloves should be constructed of neoprene rubber or nitrile rubber. No specific permeation/degradation testing have been done on protective clothing for this product. Recommendations for skin protection are based on infrequent contact with this product. For frequent contact or total immersion, contact a

source of protective clothing for appropriate chemical impervious equipment.

**ACUTE PROTECTION:** Overexposure to vapors may be prevented by ensuring

proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH-approved air purifying respirator with the appropriate chemical cartridges or a positive pressure, air-supplied respirator may also reduce exposure. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used.

**OTHER EQUIPMENT:** Clean contaminated clothing and shoes.

**VENTILATION REQUIREMENTS:** Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 2 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

**SECTION 5: PHYSICAL AND CHEMICAL PROPERTIES**

(FORMULA VALUES, NOT SALES SPECIFICATIONS)

BOILING RANGE: 354- 399 degrees F SOLUBILITY IN WATER: 0 %  
 VAPOR PRESSURE: 1.0 mmHg WEIGHT/GALLON (LBS): 6.30 (U.S.)  
 VAPOR DENSITY: Heavier than air pH: Not determined  
 % VOLATILE/VOLUME: 100.000 % SOLIDS BY WEIGHT: .00  
 SPECIFIC GRAVITY: .758 EVAPORATION RATE(20°C): 100: 10  
 ODDOR/APPEARANCE: Non-viscous liquid with an odor characteristic of the ingredients listed in Section 2.

**SECTION 6: STABILITY AND REACTIVITY**

This product is normally stable and will not undergo hazardous reactions.

**INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):** Avoid contact with strong oxidizers, strong mineral acids, or strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide; carbon dioxide; Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.

Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) Ratings

HMIS Rating	NFPA Rating
HEALTH 2	HEALTH 2
FLAMMABILITY 2	FLAMMABILITY 2
REACTIVITY 0	STABILITY 0

System: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, \* = Chronic

Safe handling of this product requires that all of the information on the MSDS be evaluated

for specific work environments and conditions of use.

**TRANSPORTATION OF DANGEROUS GOODS**

PROPER SHIPPING NAME: Petroleum Distillates, NOS

MSD TECHNICAL NAME: None

HAZARD CLASS: 3

SUBSIDIARY CLASS: None

UN NUMBER: UN1268

PACKING GROUP: III

MARINE POLLUTANT: None

USA-RC, HAZARDOUS SUBSTANCE: None

USA-RC, HAZARDOUS SUBSTANCE THRESHOLD SHIP WEIGHT: None

THIS IS THE END OF THE MSDS FOR: PT62356-20 (60739642) 0071962356-20 10/09/02



Manufactured and Supplied by:  
 PPG Pretreatment & Specialty Products  
 23000 St. Clair Avenue EUCLID, OHIO 44117